



A3 PCT

PATENT

Customer No. 22,852

Attorney Docket No. 06843.0091

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Peter J. RATCLIFFE et al.

Application No.: 10/531,662

Filed: April 15, 2005

For: HYDROXYLASES AND
MODULATORS THEREOF

) Group Art Unit: Not Yet Assigned

) Examiner: Not Yet Assigned

) Confirmation No.: Not Yet Assigned

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents on the attached listing. This Supplemental Information Disclosure Statement is being filed within three months of the United States national stage entry of the above-referenced application.

Copies of the listed non-patent literature documents are attached. Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine

that the cited documents do not constitute "prior art" under United States law,
Applicants reserve the right to present to the office the relevant facts and law regarding
the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the
patentability of the disclosed invention over the listed documents, should one or more of
the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please
charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

By: 

Mark D. Sweet
Reg. No. 41,469

Dated: July 14, 2005

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number 10/531,662

Filing Date April 15, 2005

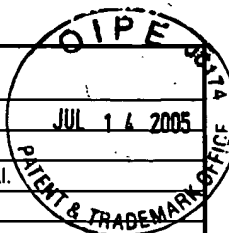
First Named Inventor Peter J. RATCLIFFE et al.

Art Unit Not Yet Assigned

Examiner Name Not Yet Assigned

Attorney Docket Number 06843.0091

JUL 14 2005



U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

FOREIGN PATENT DOCUMENTS

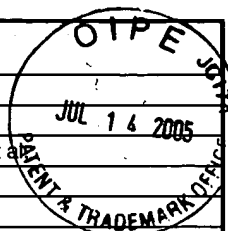
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		KOHN et al.; "Solid-phase Synthesis of Peptide-Heterocycle Hybrids Containing a Tripeptide-Derived 6,6-fused Bicyclic SubUnit"; Tetrahedron Letters 42; pages 4453-4457; 2001.	
		EGUCHI et al.; "Solid-Phase Synthesis and Solution Structure of Bicyclic β -turn Peptidomimetics: Diversity at the I Position"; Tetrahedron Letters 42; pages 1237-1239; 2001.	
		DE BORGGRAEVE et al.; "Synthesis of a Conformationally Restricted Dipeptide Analogue and Its Evaluation as a β -turn Mimic"; Tetrahedron Letters 42, pages 5693-5695; 2001.	
		MANZONI et al.; "Synthesis of Spiroazabicycloalkane Amino Acid Scaffolds as Reverse-Turn Inducer Dipeptide Mimics"; Tetrahedron 57, pages 249-255; 2001.	
		LERNER et al.; "X-ray Crystal Structure of a Bisubstrate Inhibitor Bound to the Enzyme Catechol-O-methyltransferase: A Dramatic Effect of Inhibitor Preorganization on Binding Affinity"; Angew. Chem. Int. Ed., 40, No. 21; pages 4040-4042; 2001.	
		WANG et al.; "Structures of Aquifex Aeolicus KDO8P Synthase in Complex with R5P and PEP, and with a Bisubstrate Inhibitor: Role of Active Site Water in Catalysis"; Biochemistry, 40; pages 15676-15683; 2001.	
		JIANG et al.; "Combination Biomimetic Chemistry: Parallel Synthesis of a Small Library of β -Hairpin Mimetics Based on Loop III from Human Platelet-Derived Growth Factor B"; Helvetica Chimica Acta, Vol. 83, pages 3097-3112; 2000.	
		CLARIDGE et al.; "Synthesis and Analysis of Leu-Enkephalin Analogues Containing Reverse Turn Peptidomimetics"; Bioorganic & Medicinal Chemistry Letters, Vol. 6, No. 4, pages 485-490, 1996.	
		MASIMIREMBWA et al.; "In Vitro High Throughput Screening of Compounds for Favorable Metabolic Properties in Drug Discovery"; Combinatorial Chemistry & High Throughput Screening, Vol. 4, pages 245-263; 2001.	
		MAIER et al.; "Dicyanocarbene and Its Isomers: A Matrix Spectroscopic Study"; Eur. J. Org. Chem. pages 2695-2701; 2003.	
		BELVISI et al.; "Conformational Analysis of Azabicycloalkane Amino Acid Scaffolds as Reverse-Turn Inducer Dipeptide Mimics"; Eur. J. Org. Chem., pages 2563-2569; 2000.	
		WYKOFF et al.; "Hypoxia-inducible Expression of Tumor-Associated Carbonic Anhydrases"; Cancer Research 60, pages 7075-7083; December 15, 2000.	
		BURGESS; "Solid-Phase Syntheses of β -Turn Analogues To Mimic or Disrupt Protein-Protein Interactions"; Accounts of Chemical Research, Vol. 34, No. 10; pages 826-835; 2001.	
		HANESSIAN et al.; "Design and Synthesis of Conformationally Constrained Amino Acids as Versatile Scaffolds and Peptide Mimetics"; Tetrahedron Report Number 426, Vol. 53, No. 38; pages 12789-12854, 1997.	

Examiner
SignatureDate
Considered

IDS Form PTO/SB/08: Substitute for 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/531,662
		Filing Date	April 15, 2005
		First Named Inventor	Peter J. RATCLIFFE et al.
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	06843.0091
Sheet	2	of	2



NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		BRÜNGER et al.; "Crystallography & NMR System: A New Software Suite for Macromolecular Structure Determination"; Acta Crystallographica, Section D54, pages 905-921; 1998.	
		JONES et al.; "Improved Methods for Building Protein Models in Electron Density Maps and the Location of Errors in these Models"; Acta Crystallographica, Section A47, pages 110-119; 1991.	
		TERWILLIGER; "Maximum-likelihood Density Modification"; Acta Crystallographica, Section D56; pages 965-972; 2000.	
		TERWILLIGER; "Automated MAD and MIR Structure Solution"; Acta Crystallographica, Section D55; pages 849-861; 1999.	
		COLLABORATIVE COMPUTATIONAL PROJECT, NUMBER 4; "The CCP4 Suite: Programs for Protein Crystallography"; Acta Crystallographica, Section D50, pages 760-763; 1994.	
		KRAFFT et al.; "Synthetic Approaches to Continuous Assays of Retroviral Proteases"; Methods in Enzymology, Vol. 241; pages 70-86; 1994.	
		OWICKI; "Fluorescence Polarization and Anisotropy in High Throughput Screening: Perspectives and Primer"; Journal of Biomolecular Screening; Vol. 5, No. 5, pages 297-306; 2000.	
		DERRER et al.; "Synthesis and Conformational Analysis of a Type VIb β -turn Mimetic Based on an Eight-Membered Lactam"; J. Chemical Society, Perkin Trans. I, pages 2957-2967; 2000.	
		MAHADEVAN et al.; "Molecular Dynamics Simulations of Conformational Behavior of Linear RGD Peptidomimetics and Cyclic Prodrugs in Aqueous and Octane Solutions"; Journal of Biomolecular Structure & Dynamics; Vol. 19, No. 5, pages 775-788; 2002.	
		GILLESPIE et al.; "Conformational Analysis of Dipeptide Mimetics"; Biopolymers 43; pages 191-217; 1997.	
Examiner Signature			Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.